

MEMS

*drawing optical fiber*

HIGH PURITY PRESSURE CONTROL SOLUTIONS  
for Fiber Optic & Photonics Manufacturing

**TESCOM**  
C O R P O R A T I O N

Photonics

**ultra-clean**

**precise**

OPTICAL FIBER PREFORMS

# Increase your yield with Tescom ultra-clean pressure controls!

*Tescom has been in business since 1916 and has designed and manufactured pressure controls for over forty years. We presently hold a very strong reputation as the leading pressure control supplier to the worldwide semiconductor manufacturing industry.*

*Tescom products include high purity and ultra-high purity regulators, valves, manifolds and electronic pressure controllers.*

*We are now offering an extensive selection of clean pressure controls designed specifically to meet the stringent manufacturing requirements of the fiber optic and photonics industries.*

*We can satisfy your most demanding application.*



*Assembly & test are performed in a class 10 Cleanroom*

## **Regulators for all applications: Point-of-Use to Bulk Gas**

- Tescom regulators control pressures from 28" Hg vacuum to 800 PSIG
- Regulators accept inlet pressures to 3500 PSIG (pneumatic valves to 3045 PSIG)
- A complete range of regulator sizes ... from ultra-small point-of-use regulators to bulk gas regulators large enough to control a 2" facility line
- Flow capabilities to 1500 SCFM
- Diaphragm valve sizes include: 1/4" & 1/2" (manual & pneumatic), 1" (manual)
- Our FOCUS Series combines state-of-the-art high purity regulator technology with the automation and accuracy of electronic control

## **Cleanroom assembly & test**

- Electropolished internal surface finishes as low as 5 R<sub>a</sub> microinch
- State-of-the-art class 10 cleanrooms
- Certifiable particle counts of .1 and .02 micron



*Conscientious people ensure a quality product*



# Tescom offers a pressure control for your most demanding application

## HIGH PURITY REGULATORS

Tescom offers the widest selection of high purity regulators on the market today. We will provide the perfect regulator for your fiber optic application.

- A wide choice of flow rates up to 2000 SLPM
- Ideal where extreme cleanliness is critical, including preform manufacturing



23 Series 449-260 64-2600 12 Series

## HIGH PURITY VALVES

Tescom has a specific valve solution for a wide range of fiber optic facility applications.

- Diaphragm valves from 1/4" to 1" - laboratory tested to last 3 million cycles!
- Manual and pneumatic valves for panels throughout a fiber drawing facility, e.g., burn, torch, H<sub>2</sub>O<sub>2</sub>, etc.



31-1 Magnum 35 Series PV72 33 Series

## ELECTRONIC CONTROLLERS

Our electronic controllers may be used with a wide range of Tescom regulators to provide very precise, constant regulation. Further benefits include:

- True distributed control of liquids or gases from vacuum to 3500 PSIG
- Ideal when air pressure must remain constant e.g., tank blanketing, coating reservoirs, etc.



FOCUS F1 ER3000 Series

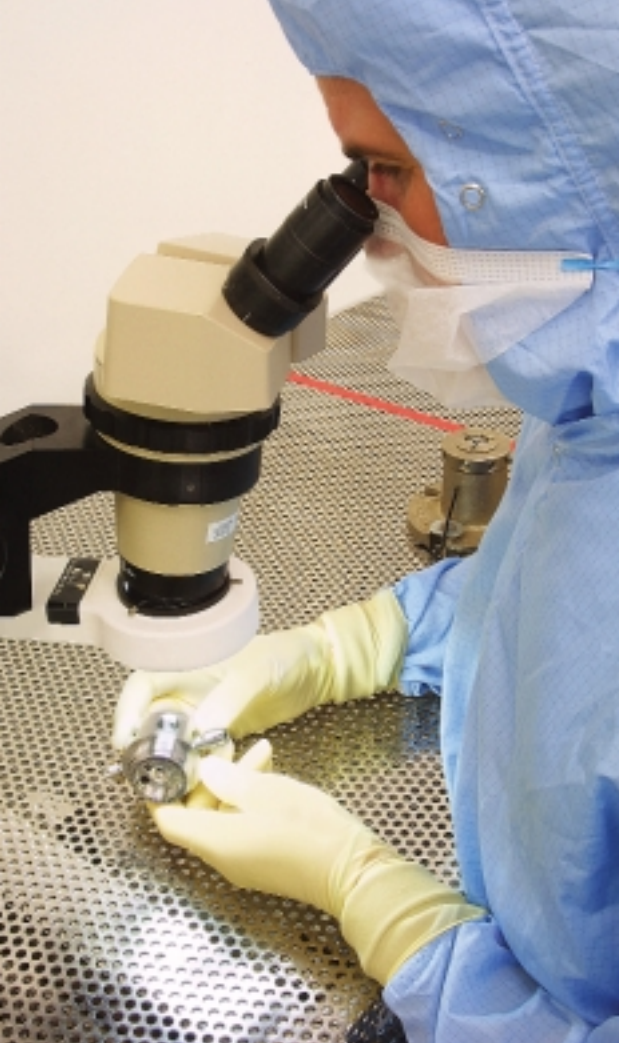
## FACILITY REGULATORS

We have a very large selection of industrial grade regulators with a broad choice of flow capacities. Applications from bulk gas distribution to point-of-use are included.

- More than 80 standard models to choose from with almost limitless modification
- Ideal for draw towers and usage where both reliability and precision are critical
- Brass construction is a standard option



44-3200 15 Series 44-2200



*Tescom products are manufactured and inspected under strict compliance to our ISO 9001 Certified Quality System*

### *Additional Items*

- Manifolds
- Dome loaded regulators
- Porting styles & configurations
- Automated pressure & flow control with Tescom's Electronic Control Systems
- Special testing, leak rate certification, particle counts
- Wide choice of construction materials

### *Need Technical Assistance?*

Call toll free 877-4TESCOM (877-483-7266) for factory application assistance

### *Additional Specifications*

For a free print or CD catalog featuring our full product line, call 800-447-9650 or contact your local distributor. Our Product Demonstration Tool CD is also available at no charge.

**TESCOM**  
CORPORATION

**The Engineered Solutions Company**

**HIGH PURITY CONTROLS DIVISION**

19111 Industrial Boulevard

Elk River, MN 55330-2438

800-447-9650 (763) 241-3222 FAX (763) 241-3209

[www.tescom.com](http://www.tescom.com)

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